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## NOTICE OF ALLOWANCE AND FEE(S) DUE

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09/10/2009

BRINKS HOFER GILSON & LIONE P.O. BOX 10395 CHICAGO, IL 60610 EXAMINER

CHIEM, DINH D

ART UNIT PAPER NUMBER

2883 DATE MAILED; 09/10/2009

	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
_	10/708.536	03/10/2004	Yan Zhou	10095-35	2535

TITLE OF INVENTION: SUPERLENS AND A METHOD FOR MAKING THE SAME

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$755	\$0	\$0	\$755	12/10/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

### PART B - FEE(S) TRANSMITTAL

## Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further indicated unless correct maintenance fee notifica	correspondence including ed below or directed oth	ng the Patent, advance of the Patent, advance of the Patent, advance of the Patent in Block 1, by (	orders and notification of a a) specifying a new corre	maintenance fees wi spondence address;	ll be and/or	mailed to the current (b) indicating a separ	correspondence address as rate "FEE ADDRESS" for
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							(Depositor's name)
							(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTO:	RNEY DOCKET NO.	CONFIRMATION NO.
10/708,536	03/10/2004	•	Yan Zhou	10095-35		10095-35	2535
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nonprovisional	YES	\$755	\$0	\$0		\$755	12/10/2009
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CHIEM,	DINH D	2883	385-033000	_			
<ol> <li>Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).</li> <li>Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.</li> <li>"Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.</li> </ol>			or agents OR, alternati  (2) the name of a sing registered attorney or 2 registered patent attorney or 3 registered patent att	the names of up to 3 registered patent attorneys agents OR, alternatively, the name of a single firm (having as a member a gistered attorney or agent) and the names of up to registered patent attorneys or agents. If no name is sted, no name will be printed.			
PLEASE NOTE: Uni	less an assignee is ident th in 37 CFR 3.11. Comp	ified below, no assignee	THE PATENT (print or ty data will appear on the p T a substitute for filing an (B) RESIDENCE: (CIT)	patent. If an assigne assignment.			ocument has been filed for
Please check the appropr	riate assignee category or	categories (will not be p	rinted on the patent):	Individual 🖵 Cor	porati	on or other private gro	up entity Government
	are submitted: No small entity discount p	permitted)	4b. Payment of Fce(s): (Please first reapply any previously paid issue fee shown above)  ☐ A check is enclosed. ☐ Payment by credit card. Form PTO-2038 is attached. ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).				
	ns SMALL ENTITY state	is. See 37 CFR 1.27.	☐ b. Applicant is no lon				
NOTE: The Issue Fee an interest as shown by the	d Publication Fee (if req records of the United Sta	uired) will not be accepte tes Patent and Trademark	ed from anyone other than to Office.	the applicant; a regis	tered a	attorney or agent; or the	e assignee or other party in
Authorized Signature	***			Date			
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BRINKS HOFEI	R GILSON & LIONE	CHIEM, DINH D			
P.O. BOX 10395			ART UNIT	PAPER NUMBER	
CHICAGO, IL 600	510		2883		
			DATE MAILED: 09/10/2009		

# Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 23 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 23 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)
	10/708,536	ZHOU ET AL.
Notice of Allowability	Examiner	Art Unit
	ERIN D. CHIEM	2883
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	olication. If not included will be mailed in due course. THIS
1. This communication is responsive to <u>3/16/09</u> .		
2. The allowed claim(s) is/are 47-75.		
<ol> <li>Acknowledgment is made of a claim for foreign priority ur         <ul> <li>All b)</li></ul></li></ol>	been received. been received in Application No cuments have been received in this communication to file a reply received in this communication to file a reply received in the received in this communication to file a reply received in this communication to file a reply received in this communication to file a reply received in this received	national stage application from the
4.  A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give		
<ol> <li>CORRECTED DRAWINGS ( as "replacement sheets") must</li> <li>(a) ☐ including changes required by the Notice of Draftspers</li> <li>1) ☐ hereto or 2) ☐ to Paper No./Mail Date</li> <li>(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date</li> <li>Identifying indicia such as the application number (see 37 CFR 1, each sheet. Replacement sheet(s) should be labeled as such in the</li> </ol>	on's Patent Drawing Review (PTO-	office action of
<ol> <li>DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT</li> </ol>		
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5.	atent Application
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Summary	(PTO-413),
3. Information Disclosure Statements (PTO/SB/08),	Paper No./Mail Dat 7.	e nent/Comment
Paper No./Mail Date  4.  Examiner's Comment Regarding Requirement for Deposit of Biological Material	<ul><li>8. ☑ Examiner's Stateme</li><li>9. ☐ Other</li></ul>	nt of Reasons for Allowance

## Allowable Subject Matter

Claims 47-75 are allowable. The restriction requirement between the species A-D as set forth in the Office action mailed on 1/16/07, has been reconsidered in view of the allowability of claims to the elected invention pursuant to MPEP § 821.04(a). The restriction requirement is hereby withdrawn as to any claim that requires all the limitations of an allowable claim.

Claims 60, 62-63 directed to the non-elected species are no longer withdrawn from consideration because the claim(s) requires all the limitations of an allowable claim.

In view of the above noted withdrawal of the restriction requirement, applicant is advised that if any claim presented in a continuation or divisional application is anticipated by, or includes all the limitations of, a claim that is allowable in the present application, such claim may be subject to provisional statutory and/or nonstatutory double patenting rejections over the claims of the instant application.

Once a restriction requirement is withdrawn, the provisions of 35 U.S.C. 121 are no longer applicable. See *In re Ziegler*, 443 F.2d 1211, 1215, 170 USPQ 129, 131-32 (CCPA 1971). See also MPEP § 804.01.

The following is an examiner's statement of reasons for allowance:

Regarding independent claim 47, as amended, Examiner agrees with Applicant's arguments. See page 8 of the Response filed March 16, 2009.

The prior art fails to teach or fairly suggest, in addition to the accompanying features of the claim, the following in italics:

An apparatus suitable for controlling the size and the phase of an electromagnetic beam, the apparatus comprising: a. a substrate; and b. a vertically Graded Refractive index (vGRIN)

Art Unit: 2883

multilayer structure deposited on the substrate, the multilayer structure including a vGRIN film and a *curved input sidewall and a curved output sidewall*, the input sidewall being a sidewall on which the electromagnetic beam is incident on the apparatus, the output sidewall being a sidewall through which the electromagnetic beam leaves the apparatus, wherein the apparatus is used to independently control a vertical focusing and a horizontal focusing of the electromagnetic beam, wherein the vGRIN film has a refractive index distribution n(y), where y is a vertical direction substantially perpendicular to the direction of propagation of the electromagnetic beam.

Claims 48-75 are allowable by virtue of their dependency.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ERIN D. CHIEM whose telephone number is (571)272-3102. The examiner can normally be reached on Monday - Thursday 9AM - 5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Frank G. Font can be reached on (571) 272-2415. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Art Unit: 2883

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Erin D Chiem/ Examiner, Art Unit 2883 /Frank G Font/ Supervisory Patent Examiner, Art Unit 2883

/edc